November 1980 Vol.IX No.9 Second class postage paid at Dallas Texas

Postal Identification

Publisher, Jim Cranshaw Monthly except July and August

Statement, page 2

Price $7.00 yearly Single issue $1.00

THE NEWSPAPER FOR
THE HOBBYIST OF VINTAGE
ELECTRONICS AND SOUND

THE HORN SPEAKER

SHORT WAVE CRAFT for APRIL, 1933

The LINCOLN R-9:

A New 9 to 200 Meter S-W Super-het Using 11 Tubes

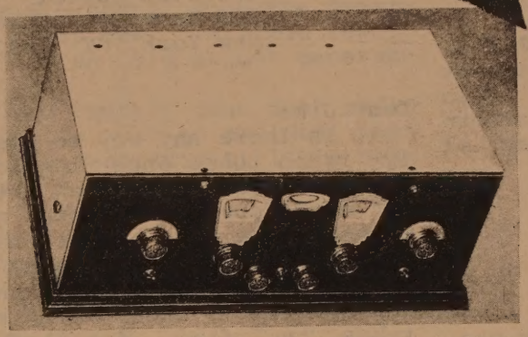

Photo above—business-like appearance of the newest Lincoln off-spring, the R-9 short-wave super-het, with 11 tubes.

Interesting new 11-tube short-wave super-het has range of 9 to 200 meters; 8 tuned circuits; A.V.C.; 45 push-pull output; Visual tuning meter and C.W. beat oscillator.

● OWING to the increased demand in both commercial and broadcast listeners fields, many months of development work have been put on the new Lincoln R-9 receiver, designed to register wavelengths from 9 to 200 meters. While the field has been well covered with commercial types of *short-wave* receivers and combinations of *short-wave and broadcast*, yet the *strictly* short-wave receiver design has not had the attention that a few of the receivers ranging from 15-550 meters have had.

Leaving out the aspect of the commercial requirements of this type of receiver, the ever increasing number of interesting short-wave phone stations and the ever increasing power of these stations are opening up a new field of intense interest and enjoyment to the broadcast listener.

The average installation of the all-wave receiver is made in the living room or library of the home and in a great many cases Mr. Radio Fan is confronted with a dozen arguments as to whether the household listens to an airplane transmission, amateur phone, trans-oceanic messages, foreign broadcast, or to some good "chain" station in the 200-550 meter *broadcast band*.

In view of the fact that the majority of homes have a good broadcast receiver, many ardent fans have requested a *strictly* short-wave receiver, which may be hidden away in the den behind locked doors, so that Mr. Fan can have full enjoyment of the one hundred and one interesting transmissions found in the wide band of high frequencies ranging over eighteen to nineteen thousand kilocycles, while friend wife, perchance, listens to her chosen program in the broadcast band in peace.

With this thought in mind, and due to the large demand for this type of receiver, the Lincoln R-9 has been developed to a high degree of perfection, utilizing the full knowledge and wide experience gained in the development of the high-powered DeLuxe receivers. Every desirable feature of the regular DeLuxe receiver is applied in the new R-9 with the exception that the "broadcast" coverage (200 to 550 meters) has been eliminated, and every feature desirable for both short wave phone and C.W. reception has been added.

Silver-Contact Band Selector-Switch

The general plan of the R-9 employs the proved design of the DeLuxe SW-33, utilizing the silver-contact selector-switch, which independently selects the desired inductances for group frequency range. The grouping of the frequencies is as follows: Starting from the lower wave end—

1st	position	8.8 meters to	16.8
2nd	position	14.6 meters to	27.7
3rd	position	27.4 meters to	51.6
4th	position	48.2 meters to	99.
5th	position	86.2 meters to	216.

The circuit uses an intermediate frequency amplifier of three powerful stages, with tuned first detector stage. The coils are of Litz wire; eight tuned circuits are used. The last I.F. stage is of balanced-grid push-pull construction, feeding into the Wunderlich tube (2nd detector), the output of which feeds into the transformer coupled 56 first audio stage and through large transformer coupling into two 45 push-pull output tubes. Tubes used are 4—58; 3—56; 1—Wunderlich; 2—45; and 1—80.

Due to the remarkable action of the Wunderlich tube, perfect *automatic volume control* is had by controlling the complete I. F. amplifier. This feature can be eliminated and the set will work without A.V.C. by manipulating a switch on the front panel.

"C.W." Reception Provided for

A *beat oscillator* is employed for reception of "C.W." signals; this is also operated by a switch on the front panel. Full indication of signal is had with the meter mounted in the center of panel, allowing accurate tuning to the exact center of the carrier wave and also indicating unmodulated carriers which can be tuned with perfect accuracy. This valuable feature is of paramount importance, as many stations are "standing by" temporarily and would be entirely overlooked without this method of location.

Two dials are employed, the one to the left being the main *tuning dial* and the one to the right for *band-spreading*, which is effective on all frequencies. In commercial work, where the operator only works a specified band of frequencies, this band-spread dial is very desirable, allowing wide separation on the dial.

Sensitivity and Volume Controls

The regulation of *sensitivity* and *volume* is identical with the Lincoln DeLuxe SW-33, and it is one of the most satisfactory systems for the broadcast listener as well as the commercial operator. In order to get distance in the conventional type of receiver, one is required to advance the sensitivity control to a point where heavy noise and signal can be heard loud enough to disturb the whole neighborhood; while in the new Lincoln system, the sensitivity control can be advanced to a maximum, giving power to reach any distance and the volume control can be at minimum, with speaker volume only loud enough to be heard a few feet away from the speaker. This system also allows absolutely *silent tuning* by the use of the *signal indicator*.

The R-9 model is of the table mounting type, having a heavy metal removable cover and heavy metal front panel. The chassis is mounted on a wood base with moulding at bottom, and the whole unit is attractively finished.

A separate power pack is used, identical with the large DeLuxe all-wave model, together with a dynamic speaker. A head phone jack is incorporated.

Great Volume Available

The tremendous amplification and the undistorted volume possible in both the R-9 and the DeLuxe model brings weak signals up to tremendous output volume if desired. The Lincoln laboratory happens to be located practically in the center of the largest medical area in the United States, composed of hospitals and medical schools, with a terrific barrage of diathermy, X-ray and other high frequency equipment. Yet, in spite of this interference, signals from foreign stations are brought in with any desired volume, and all equipment is tested directly on these signals.

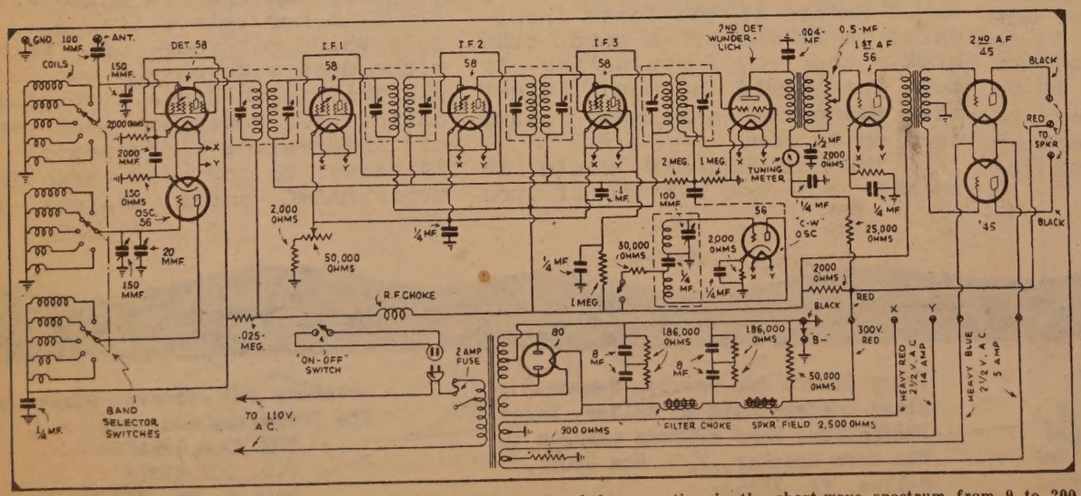

Diagram of the new Lincoln R-9 Superheterodyne, especially designed for reception in the short-wave spectrum from 9 to 200 meters. Switches select the proper coils for each band.

letters

Dear Jim:

Enclosed is my check for $12.00 for a two year renewal. I sure enjoy your newspaper -- keep up the good work.

The wife and I enjoyed the A.W.A. National Convention in Canandaigua. The flea market and auction were especially interesting for me.

The exhibits in the A.W.A. Museum are really fantastic for lovers of antique radios. Also the Ford Museum in Dearborn michigan has a good display of old radios.

Your truly,
E. A. Heckler
WA4NWA

Dear Jim:

In his letter in your October 1980 issue, George Friedrich advocates telling owners of old radios that they "aren't worth too much" so that they can be purchased "for a pittance." He goes on to advocate getting "the available supply into our collections" so that "we can sell our excess to antique dealers for what they are really worth."

I'm sure that most of us would like to pay the lowest possible price for an old radio. And if we sell one, that we would like to get -- if not the highest -- at least a reasonable price for it.

However, for many of us too, the objective of our collecting is preservation, not the increase of our personal wealth.

And the plain fact is that old radios are more likely to be preserved by their owners if they know that the radios are worth more -- not less. If a radio is preceived to be of low value, it is more likely to be junked -- and lost forever to collectors who are preserving these historic artifacts for future generations.

And perhaps those owners of old radios, who have lovingly *cared for them over the years* so that we might enjoy them, ought to be adequately compensated for their efforts.

Like the rest of us, Mr. Friedrich has been getting a free ride the many years in which he picked up old radios at low prices. So neither he nor the rest of us should cry to hard now that we have to pay to get on the bus.

Cordially,
Carleton Sarver
256 West 88th Street
New York, NY 10024

Dear Jim:

Is there any way to identify radio tubes once the identifying number has been rubbed off or in some cases such number was never on manufactured-for-replacement only tubes?

I would like to see an in-depth article about old radio tubes including detailed instructions on how to identify such tubes and their uses. What, for example, is the difference between a tube which just has a number as 50 and one which has 50AS or GT or any of the other common markings?

Before they have disappeared from the scene forever, I wish some of the old-time radio experts who started with the business could be inducded to write about what they know. I have a fairly good radio book library but these books have nothing about such things as I am describing.

I also would like to see articles on such things as radio tube substitution. Again, I have books on the subject but they dip into TV tubes so much to be almost valueless to me. And again, I have the start of a good tube collection but some of the later ones may be for TV only and I am not in the least interested in TV tubes. A good tube book, the way I would like to see one, would be much larger than the pocket-size ones I have seen up to now.

THE HORN SPEAKER would do us all a great service if some of the old radio experts could be encouraged to write for publication. Also, it would be a real service if such articles could be run in each issue of your publication.

I know of two such people but one is too busy to write and the other is too old. There must be many who know the field thoroughly and still have the time and drive to produce some interesting reading. We can read THE HORN SPEAKER advertisements and write back and forth to each other for information but how much better it would be if at least one such article were carried in each issue. Short, down-to-earth facts would not need to take up a great deal of space.

It is time someone generates some new information in printed form in our hobby field. This is not to deny that some of the literature advertised is good and worthwhile but we need some new titles which are slanted to our hobby.

P. S. Picked up a Radiola 60 table model at a garage sale recently for $10.00. Cleaned it up and it worked.

Sincerely,
John W. Hamilton
1405 W. 9th.
Stillwater, OK 74074

EDITOR...We want to encourage all old radio experts to write articles about early radios. Of course, THE HORN SPEAKER is willing and eager to print such articles for its readers.

club news

BARGAIN CLUB

The Mid America Antique Radio Club has raised its dues to only $5.00 per year. Get this -- the dues were only about $2.00. This club has a club publication for November 1980 full of interesting information in 24 pages. To top off these features MAARC never charges 10%

POSTAL IDENTIFICATION STATEMENT
The Horn Speaker (USPS 956120) is published monthly, except July and August by Jim Cranshaw, 9820 Silver Meadow Dr., Dallas, Texas 75217. Subscription rates are $7.00 per year, $12.00 two years. Second-class postage paid at Dallas, Texas. POSTMASTER: Send address changes to The Horn Speaker, P.O. Box 53012, Dallas TX 75253.

Subscribers, advertisers, photographers and writers, please use the following address;
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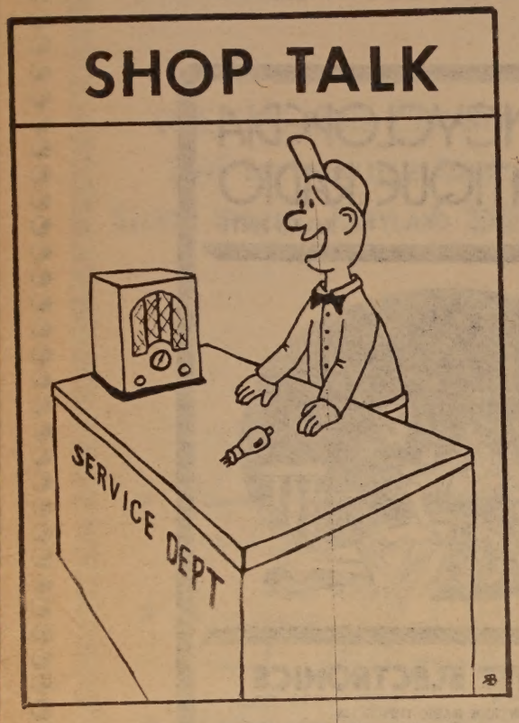
DALLAS TX 75253

fees for selling items at auctions, this club does not charge anything.

Interested? Write to: Mid America Antique Radio Club, 4031 West 97th Terrace, Overland Park Kansas 66207.



LISTENING TO OLD RADIO PROGRAMS
by Ron Boucher

Well, you finally got a few extra moments to listen to that new tape or record of old radio broadcasts that you bought last week. Great. So you put it on the player, sit back and imagine yourself going back into time, 30 years or so.

But there's one thing very wrong here, the sound is coming out of your transistorized player and your old cathederal radio is sitting up on your shelf, turned off. It would be a little bit more realistic if you were listening to the old program over the old radio.

You may be able to play these recordings through your antique radio without having to modify it and by using something that you may already have on hand or acquired at an auction or flea market for very little.

Most signal generators used in radio work have a provision for external modulation so you can feed a signal into the generator and have it come out with the radio signal that the generator puts out. All you really need is an old signal generator.

You merely tune the radio to a clear spot on the dial then tune the generator till you hear it on the radio.

In my set-up I hooked up the hot side of the RF output of the generator to a 20' length of wire string along the wall. The ground side of the RF output I ran to ground.

I connected the player from the earphone jack through an audio output transformer (the transformer found on the speakers of most old radios) into the "external modulator" jack on the generator. The result was that one could pick up the recording from the player, on a radio, anywhere in the house.

A diagram of the set-up is shown in the illustration. It may not be the ultimate set-up; I just kept experimenting until I got good results.

If you latch onto an old generator and you are doubtful as to whether it will be any good, just remember by changing the old capacitors (like you do in restoring an old AC set) it will probably work just fine.

Ron Boucher
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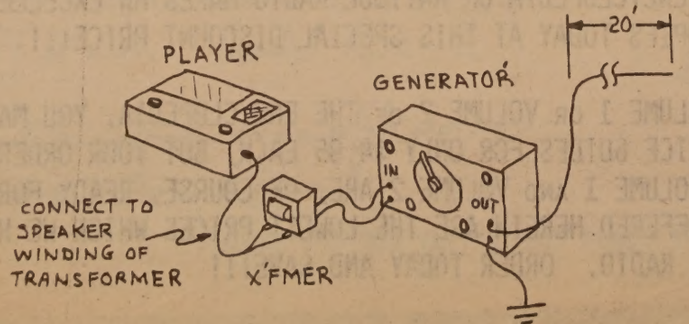
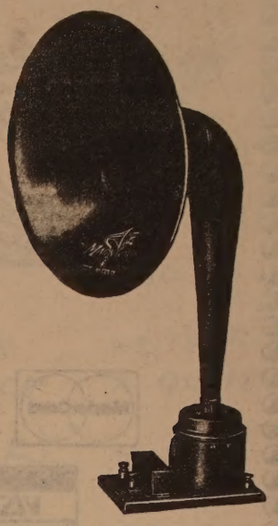


HOOK-UP



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Radio News for September, 1922

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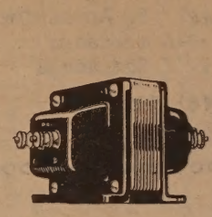

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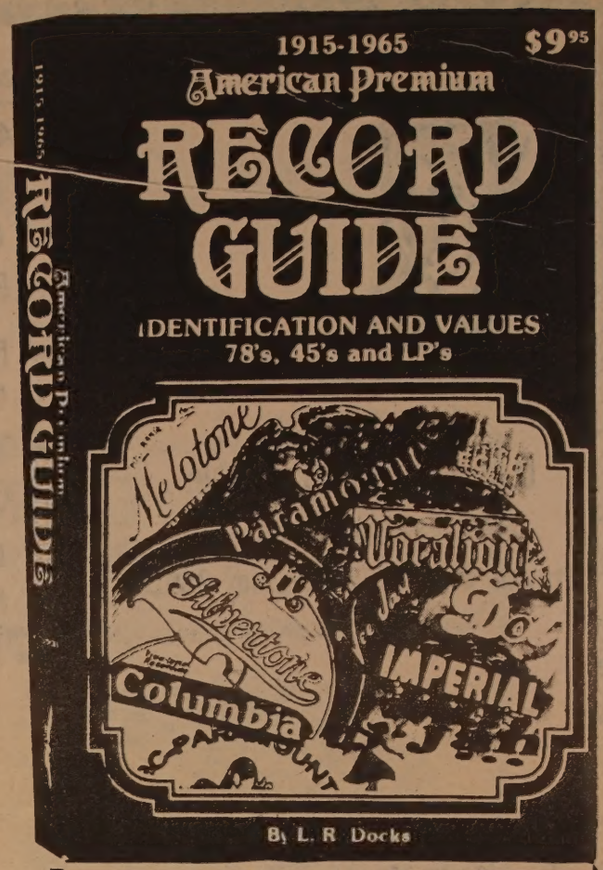

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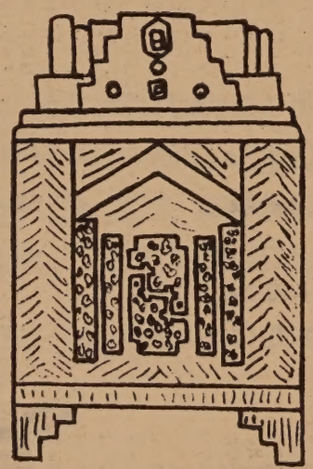

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1. Title of publication: THE HORN-SPEAKER.
2. Date of filing: Oct. 1, 1980
3. Frequency of issue: Monthly except during July and August.
4. Location of known office of publication(street, city, county, state, zip code): 9820 Silver Meadow Dr., Dallas, Texas 75217.
5. Location of the headquarters or general business offices of the publishers (Not printers): 9820 Silver Meadow Drive, Dallas, Texas 75217.
6. Names and addresses of publishers, editor, and managing editor: Publisher: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217. Editor: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217. Managing Editor: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217.

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(Signature and title of editor, publisher, business manager, or owner)

Jim Cranshaw

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B. PAID CIRCULATION		
1. SALES THROUGH DEALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES	45	30
2. MAIL SUBSCRIPTIONS	763	841
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D. FREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS		
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E. TOTAL DISTRIBUTION (Sum of C and D)	845	901
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G. TOTAL (Sum of E & F—should equal net press run shown in A)	1100	1100

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Jim Cranshaw

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3) Gernsback 1922 "Radio for All" Good $10
4) Sterling "1928 Radio Manual" 666 pgs. Fair to good $10
5) Bucher "Practical Wireless Telegraphy, 1917 Fair to good $15
6) Bucher "Practical Wireless Telegraphy, 1921 Vy gd. $15
7) Hawkins Electrical Guide 1914-16 All 10 vol. Good $20
8) Mixed bag- 32 volumes in good or better cond, electronics, radio, telephone etc. Some fairly early, some not. Package $45
9) RTG News (Radio Technicians Guild) 21 vol 1934-37, 7 vol 1940-49 Vy gd. All $20
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10) Pilot "Pilotuner" FM tuner, postwar, slight elec modifications, vy gd cond---$15
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12) National Co. auto radio, early 30's screen grid,does not incl amp/spkr, gd.---$20
13) Mitchell Lullaby bedlamp radio, almost identical to Automatic Radio unit on page 72 Flick of the Switch, gd cond, works intermittently----------$45
14) Philco 1201 radio/phono, most unusual unit, shown in Bing Crosby ad on page 126 Flick of the Switch.Gd cond, compl. needs thorough clean, hums------$45
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19) Philco 46-420 white plastic "refrigerator radio" gd, cond, works----------$10
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22) Automatic Radio "Tom Thumb" car radio, radio unit only, no spkr, gd----------$10
23) T.R.McElroy CPO 40's 3 tube, fair,----------$5
24) Banda 250 Set Analyzer & Tube Tester, 1931 w/book, adapters, etc. vy gd.----$25
25) Supreme 89 Tube tester/VOM est 1935-40 w/charts, handle missing, vy gd----$20
26) Weston 280 DC voltmeter, small, vy old, ok----------$7
27) Old style tester for lamps, fuses, est prewar, unknown brand, gd cond.----$10
28) Weston 692 RF Oscillator est 1930 vy gd, w/all coils, unknown elec.----$30
29) Hoyt battery tester, oak case w/load resistance and meter, excellent----$15
30) Lambda regulated pwr supply Mod 25, 200-325 vdc 100 ma, 6.3 vac. working----$25
31) Lambda regulated pwr supply Mod 26, 100-200 vdc 100 ma, 6.3 vac, working----$30
32) Weston 57, old style 10" diam panel meter, cast brass, very ornate, ACV,ACma--$25
33) Weston 160 old style 10" diam panel meter, cast brass, very ornate, AC ma----$25
34) Radiotte 245A Tube & Set Tester, w/book, adapters etc, 3 meters, est 1930 vg--$25
35) Supreme 589A tube tester, est 1945, w/ chart, working----------$20
36) Weston 662 Voltohmmeter est 1920 vy gd,seems more or less functional, w/instr-$30
37) Wright DeCoster Serviceman's speaker test set. Suitcase unit w/ built-in multi-impedance spkr, universal field coil, universal output transformer Designed for spkr, amp, PA servicing. Needs some reasonable level of restoration. Hard to find place. w/instr. est 1930 unknown elec cond.----$50
38) Weston 785 Industrial circuit tester (VOM) working, wood case rough,inside ok-$30
39) Windup portable 78 rpm phono "Camp Fono" vy gd, working, wood case----$35
40) Windup portable 78 rpm phono "Outing Talking Machine Co" working, gd cond except veneer on bottom is loose----------$35
41) Victor VV-VI early windup phono, inside horn, table top model, working, needs minor restoration, wooden case vy gd----------$75
42) Zenith vy unusual record changer, two in one, early post war unit designed to play 78 and 33 records, but with two separate tone arms, Cobramatic style----$25
43) Zenith early stereo changer, emblazoned Hi-Fidelity Stereophonic Cobramatic---$10
44) Headphones, box of asstd units, Brandes, Frost, etc.unknown everything----$20
45) Leeds & Northrup Standard TMF Bridge (source), typical L&N quality apparatus, mahogany case, bakelite panel, huge circural multi-turn slidewire, real nice. $75
46) Huge early Leeds & Northrup Wheatstone Bridge. Hard rubber panel (16 X 22) covered with heavy brass contacts and test keys. Connection plugs included. Mahogany case. A little cleaning and you've got a real showpiece. $100

1) Pamphlet " Quality Amplification" mid 20's exc.----------$3
2) Pamphlet "How to build G.R. Rectron B Eliminator and Pwr Amp. mid 20's exc---$3
3) Bulletin 936 1935 "Parts & Accessories, 48 pgs, vy gd.----------$5
4) Bulletin 10 1933 "Frequency Measurements at Radio Frequencies, 80 pgs, exc-$2
5) Pamphlet "Quality Condensers" 20's, vy gd.----------$3
6) Amateur Bulletin 934 1930 vy gd 8 pgs----------$5
7) Bulletin 925 late 20's 32 pgs parts, vy gd----------$5
8) Amateur Bulletin 935 30's 12 pgs gd----------$3
9) Bulletin 931 Parts & Equipment 1928 36 pgs vy gd.----------$8
10) Bulletin 915 1923 2 pgs vy gd----------$2
11) Bulletin 914 1923 20 pgs vy gd----------$5
12) G.R. binder containing Bulletins 101, 203, 204, 301, 302, 401, 403, 502, 702, 703, 904, 905, 906. Total of 56 pgs, all 1920, vy gd to exc. ----------$20
13) G.R. binder containing Bulletins 108, 109, 208, 209, 210, 306, 408, 409, 410, 711, 712, 713,(all 1925) 714 (1924) 716, 717, 718, 801 (1926) 924 (late 20's) Total of 106 pgs. vy gd to exc except binder fair.----------$20
14) Manual 1862C Megohmmeter vy gd.----------$3
15) Manual 1650A Impedance Bridge vy gd----------$3
16) Manual 736A Wave Analyzer vy gd----------$3
17) Manual 805C Standard Signal Generator vy gd----------$3
18) Manual 805D Standard Signal Generator vy gd----------$3
19) Manual 1608A Impedance Bridge vy gd----------$3
20) Manual 1230A DC Amplifier and Electrometer vy gd----------$3
21) Catalogs Q,R,S,T,U, and 1973, all pretty good----------$4 ea
22) Catalog K Postwar Supplement 1945 vy gd----------$5
23) Catalog J 1936 vy gd----------$8
24) Catalog H 1935 vy gd----------$8
25) Catalog F parts 1 & 2 & seven supplements 1931-32 vy gd----------$10
26) Catalog A 1916 G.R.'s first vy gd ----------$25
27) G.R. issued History of General Radio 1915-65 32 pgs exc.----------$8

GENERAL RADIO EQUIPMENT ↓ AND LITERATURE ↑

1) 759 Sound Level Meter, complete, vy gd. unknown elec cond. est. 1935------ $20
2) 1604B Comparison Bridge (LC) vy gd, working. est. 1955---------- $45
3) 561D Vacuum Tube Bridge, vy gd, unknown elec cond. est 1940----------$75
4) 783A Output Power Meter (AF 0-100 W) vy gd, working, est 1960----------$35
5) 106G Standard Inductance (1.0 mh) vy gd, working, est 1935----------$15
6) 1551A Sound Level Meter, mike & cover missing, otherwise vy gd, unk elec---$15
7) 358 General Purpose Wavemeter, est 1930, vy gd, compl w/ box, cal chart----$20
8) 558P Amateur Band Wavemeter, est 1930, vy gd, compl w/ box, cal chart------$25
9) 247W Wavemeter, est 1926, fair to gd, complete----------$12
10) 107G Variable Inductor, gd, est 1935----------$10
11) 107L Variable Inductor, vy gd, est 1935----------$10
12) 107M Variable Inductor, vy gd, est 1935----------$10
13) 804C HF RF Generator (8 mc-330 mc) est 1955, vy gd, working, w/manual------$75
14) 602D Decade Resistance Box, est 1935, vy gd, working----------$15
15) 102K Decade Resistance Box , est 1930, vy gd, working----------$20
16) Class C-10 Secondary Freq Standard & measurement System consisting of:-----$125
692B 10 kc Multivibrator est 1935, vy gd, unknown elec,----------(sep. pr.-$20
692B 50 kc Multivibrator est 1935, vy gd, unknown elec,----------(sep. pr.-$20
616 D Heterodyne Freq Mtr est 1935, vy gd, unknown elec----------(sep. pr.-$40
675P Piezo Oscillator , est 1935, vy gd, unknown elec----------(sep. pr.-$40
---- Distribution Panel, est 1935 vy gd, ok,----------(sep. pr.-$10
1107A Interpolation Oscillator, est 1945, vy gd, unknown elec----(sep. pr.-$40
17) 539B Variable Air Condenser, est 1935 vy gd----------$10
18) 583A Output Power Meter (AF 0-5W) est 1935, vy gd, unknown elec.----------$20
19) 546C AF Microvolter(est 1955-60) vy gd, unknown elec----------$15
20) 726A Vacuum Tube Voltmeter est 1935, vy gd, unknown elec.----------$35
21) 650A Impedance Bridge, est 1935, vy gd, unknown elec.----------$45
22) 736A Wave Analyzer est 1935, needs a couple of knobs, gd, unknown elec-----$35
23) 713B Beat Frequency Oscillator (AF generator), needs a couple knobs, gd,unk$35

1) Mod. 42 Good, pwr pack cover missing-------$15
2) Mod 55C Very gd, nice clean set----------$25
3) Mod 55C Good, condenser cover missing.------$20
4) Mod 55 The showpiece 55C used to be easy to get, the cased version (55) never was. Good condition.----------$30
5) Mod 40 Very good, nice clean set----------$25
6) Mod 40 Good, complete----------$20
7) Mod 40 Good, needs condenser belt----------$20
8) Mod 42 Good, complete----------$20
9) Mod 44 Good, complete----------$30
10) Type R A&B eliminator for batt sets, v.g.-$15
11) Type 32 speaker, good, working----------$15
12) Type 33 speaker, very good, working-------$20
13) Type 33 speaker, very good, working-------$20
14) Type F4A speaker, very good----------$20

↑ WATER KENT A.C. ↑

TOM RUTHERFORD & STEARNS AVE
TOWNSEND, MA. 01469

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JEWEL MULTIMETER TEST SET

A real jewel, the 1930 serviceman's piece of dream equipment. Seven high quality meters in a 30" wide panel with binding posts, range switches. Meters measure high and low AC volts, high and low DC volts, DC current, ohms, and capacitance. All appear intact and working (accuracy not checked). Unit needs a little cleaning and paint touchup. Very rare piece. $200.

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All 10 for 1977...$5.00
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All 10 for 1978...$5.00
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All 10 for 1979...$5.00
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THE HORN SPEAKER
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Dallas, Texas 75253

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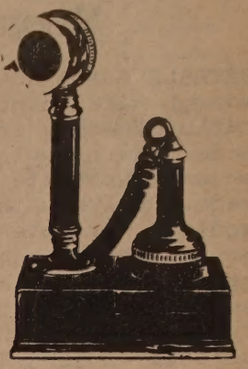
FOR SALE: RCS-728 power supply now in 9th year of manufacture. Do you have yours yet? Send SASE for spec sheet to: Gary Schneider, 6848 Commonwealth, Parma Hgts., Ohio 44130..
****
FOR SALE OR TRADE: Edison T-shirts and tote bags! Send for descriptive flyer. Phonograph postcards, send stamp for sample New Amberola, 37 Caledonia, St. Johnsbury VT 05819...
****

FOR SALE OR TRADE

TELKOM ROARING '20's DECORATOR TELEPHONE



NEW ROARING 20'S DECORATOR TELEPHONE. ROTARY DIAL AND RINGER WITH VOLUME CONTROL. FCC APPROVED, MODULAR PLUG. COLOR: IVORY, ORDER TODAT. $89.95 POSTPAID. KEITH ELECTRONICS, 209 BELLEFONTE AVE., LOCK HAVEN, PA 17745
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FOR SALE OR TRADE. HAVE SEVERAL CATHEDRAL RADIOS. They are in good to excellent condition.Will trade for battery type radios only. Ralph G. Maddox, Vali-HI Farm, Purgitsville, WV 26852. Tel. (304) 289-3069. .

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OLD TUBES
Box 201A
Lookout Mountain, Tenn.
37350

LIST VALID
THROUGH 1980

Proprietor
Walter Smartt
(615) 821-6953
8pm to 11pm

All tubes guaranteed to check out on tube tester for shorts and conductance. In USA you pay $2.00 for each unit of ten,or less,tubes shipped UPS used in USA unless you state otherwise. Ask costs on foreign shipment.

Type	new	used	Type	new	used	Type	new	used	Type	new	used	Type	new	used
12A	10	7	34	4	2	45	10	7	50	5	4	83	7	4
19	5	2	35/51	5	3	46	5	3	59	6	4	83V	7	4
22	10	7	36	5	2	47	7	4	75	4	2	84	4	3
24A	6	3	37	5	2	48	6	3	76	4	2	85	15	8
26	6	3	38	4	2	49	5	2	77	4	2	89	4	3
27	6	3	39/44	4	2	50	10	7	78	4	2	1V	10	7
30	5	2	40	-	-	53	15	8	79	4	2	801	10	-
31	5	2	41	5	3	55	6	4	80	5	3	807	10	-
32	5	2	42	5	3	56	4	3	81	7	3	1625	5	-
33	5	2	43	5	3	57	4	3	82	6	3	71A	10	7

RARE TUBES

Type	new	used
WD11(bb)	-	20
WD12(bb)	-	20
UV199(bb)	-	8
UX199(bb/ob)	12	8
UX120	-	8
215A(ob)	12	8
874(ob)	15	-
876(ob)	15	-
UX201A	10	7

Type	new	used
CG1787(bb/ob)	10	-
BH(bb)	10	-
BR(bb/ob)	15	-
VT2(bb/ob)	15	-
VT4C	10	-

bb= bakelite base
ob= orig box with new tubes
(CG1787 is like UV01A with 3.65v filament)

ARCTURUS BLUE

Type	new	used
39/44	6	-
81	8	-
127	6	-

SPECIAL

3KP1 (will replace 3KP4 in 3" Pilot TV, but has green fluorescence) $50.00

231D (replaces UX199, in original box) $12.00

FOR SALE OR TRADE

****

Phonograph

PORTABLE GRAMAPHONE 78 RPM - one owner, make unknown - case imitation leather in good shape - needs new carrying handle - motor and turntable in excellent shape. Playback head and windup handle are removeable and fit in cavity inside case - speed control on turntable reads slow-lento and fast- presto container full of hood needles - measures 14" x 12 3/4" x 5" deep - asking $100.00 D. A. Bowman, 1855 Hopkins Road, Getzville, NY 14068. Phone (716) 688-6697.
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COMPLETE LINE OF DIAMOND NEEDLES for juke boxes; AMI, Rock-ola, Seeburg, Wurlitzer. Please write for listing and prices. KEITH ELECTRONICS, Lock Haven, PA 17745 Phone (717) 748-7163
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ADAMS MORGAN (PARAGON) 1922 catalog reprint. VT control, crystal, radios, transmitter,, etc. 16 pages illustrared, $2.95 ea. plus .50 handling mailing. Cecil Bounds, Pine Springs Rte. Carlsbad, NM 88220. ...
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FOR SALE: AUTHENTIC REPLICAS: FRONT PLATES FOR AK VARIO COUPLERS, VARIOMETERS, TYPE 11 TUNER, DIALS, KNOBS, POINTERS, BINDING POST NUTS, PUSH BUTTONS, BELT DRIVE PULLEYS FOR AK AND MUCH MORE. SASE FOR LISTINGS. K. PARRY, 17557 Horace, Granada Hills, CA 91344. .....
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FOR SALE OR TRADE: OLD RADIO BOOKS, next 5 sales lists for a $1.00. RADIOGRAPHICS BOOKS, Box 18492, Cleveland Heights, OH.... 44118. .....
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COMPLETE LINE OF DIAMOND NEEDLES for for juke boxes, AMI, ROCK-OLA, SEEBURG, WURLITZER, Please write for listing and prices. KEITH ELECTRONICS, 209 Bellefonte Ave., lock haven, PA 17745. Phone (717) 748-7163 ...
****

FOR SALE: BATTERY, A.C., RADIOS, service manuals, literature. S.A.S.E. for list. Raymond Thompson, 7422 Cherry Tree Drive Fulton, Maryland 20759.
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SUPREME DIAGRAM MANUALS, Radio-Television, useful 15 volumes, regular $56.00, special only $19.95. Beitman, 1760 Balsam, Highland Park, IL 60035.
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FOR SALE OR TRADE

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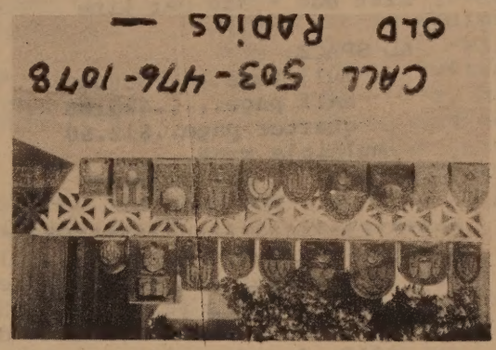
FOR SALE: CATHEDERAL, battery and AC radios from 1920's and 1930's. Please send large S.A.S.E. for list. J. Albert Warren, Box 279, Church St., Waverly, PA 18471.
****



FOR SALE: CATHEDERAL RADIOS Atwater Kent breadboards. Outside horn phonographs. Large list $1.00. Charles Seidel, 925 Starlite, Grants Pass, OR 97526
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DOUBLE COTTON COVERED WIRE, double nylon covered "silk" wire in green and red, tin coated bus wire round and square. Most popular sizes available. S.A.S.E. for listing. Charles A. Days P.O. Box 205, So. Dartmouth, MA 02748.
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AK MODEL 67 in hi-boy cabinet, complete, rare model - $50.00 can't ship. Silvertone model 6048 in TM cabinet with vibrator power supply. $25.00 Chas. Fowkes, WB4BOM, 4903 29th Ave. W., Bradenton, FL 33505. Tel. (813) 792-4049.
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RADIOLA VIII (EXCELLENT) $80.00 Grebe cone speaker (good) $28.00 One tube homebrew (excellent) - with Crosley book condenser $25.00. Zenith table model # 6D644 (excellent) $20.00. Zenith table model # 705 (good) $30.00. Emerson table model # U6D (excellent) - "semi-cathederal". RCA model UZ1325 horn (excellent) $55.00. Webster "B" eliminator (good) (B-H rectifier) $8.00. RCA model 103 speaker (good) $15.00. RCA model 100 speaker (excellent) $20.00. Brandes cathederal shaped speaker (excellent) $20.00. All battery sets without tubes, AC sets with tubes. Shipping extra. Polaroids 50 cents each. VINTAGE RADIO SERVICING (Ron Boucher), 376 Cilley Rd., Manchester, NH, 03103, (603) 669-1698.
****

FOR SALE OR TRADE

****

RADIO

FOR SALE: BATTERY SETS, TUBES, BOOKS, MAGAZINES, AUDIOS. SASE FOR LIST. WANTED: DIAL POINTER FOR A CROSLEY 51SD, 2" ROUND BUZZER OR TOP FOR ONE. TRADE KENNEDY 220 CABINET FOR A GREBE CR-9 CABINET. ALSO HAVE A-K PARTS FOR SALE. BOB, W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92054
****

ZENITH 1920s MODEL 11E. $350.00 Also Zenith Super. Grebe CR9. Much more. List $1.00. Arthur, P.O. Box 259, Merlin, OR 97532.
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RIDER'S RADIO, TV., AND PA MANUALS, EARLY RADIOS, SPEAKERS, TUBES, etc. SASE to Bob Husted, 280 E. Boca Raton Rd., Boca Raton, FL 33432 (305) 391-5171.
****

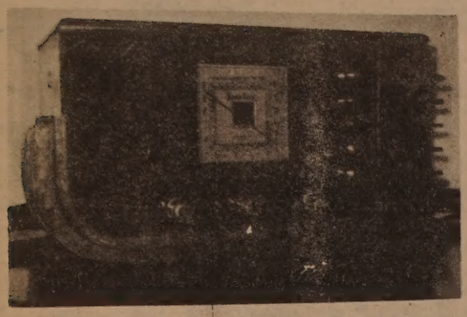
GROUP OF 1920s RADIO PARTS, Variometer, Radio L coil Tuning condensers. Interstage transformers All for $150.00. Send $1.00 for photo of it. Arthur, P.O. Box 259, Merlin, OR 97532.
****

1932 VISONOLA by Sparks Withington, the orig. home entertainment center, featuring radio phono 78/33 rpm, 16mm movie projector & screen, all in 1 cabinet. Used for talking movies, with a sound-synchronized between phono at 33 rpm & projector. Screen in lid of cabinet used with a mirror to reflect images. In excel. orig. working cond. with owner's & service manual, no talking records or film. $2 for pics. A "Visonola" was once owned by Clark Gable. Best offer over $2,500. W.R. Fiedler, Rt. 2, Box 2489, Oroville, CA 95965.
****

2 ATWATER KENT RADIOS: model 55 with round speaker-$195.00 and model L type chassis-without speaker-$149.00, also old R.C.A. radio with separate speakers - $195.00. Deane Neitzel, Rt. 3, Box 10, Watertown, WI 53094. Phone (414) 261-2915.
****

MAIL AUCTION Many good items, selling out part of my collection. SASE for list. Best mail bid before December 1st takes it. Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804 (no calls).
****

WANTED



COLORED MIRRORED RADIOS (blue, peach and green) wanted by obsessed collector. I'm also interested in colored mirrored clocks. Can use any unusual items from art deco period, such as chrome radios, etc. Also wanted: Philco Predicta television sets, coin operated radios. Barbara Gorton, Box 1252, Dayton, OH 45401. (513) 253-5073 evenings.

WANTED: PHILCO T-9 TRANSWORLD, RCA STRATO WORLD, ZENITH ROYAL 1000, ALL WAVE EARLY TRANSISTOR RADIOS. WRITE ALVIN WEEKS, 3620 ALGONQUIN BLVD., ROCKFORD, IL 61102

NEED CHASSIS AND SPEAKER FOR ATWATER KENT CONSOLE MODELS 72, 74, OR 76. JOHN BAYUSIK, 178 EASTSIDE DRIVE, WALLINGFORD, CT 06492.

WANTED: CANADIAN COLLECTORS' ATTENTION! CANADIAN GENERAL ELECTRIC, MONTREAL QUEBEC; ANY AND ALL RADIO ADVERTISING AND SERVICING LITERATURE UP TO 1948. I WILL COPY YOUR ORIGINALS, IF AGREEABLE. DARCY BROWNRIGG CHELSEA, QUEBEC, J0X 1N0 CANADA

WANTED

RAYTHEON TELEVISOR LAMP FOR JENKINS Scanning Disc TV. Top price paid for scanners. Bill Russell, 6463 1/2 Fulton Ave. Van Nuys, CA 91401 (213) 989-4086.

WANTED FOR DISPLAY: Scanning Disc Television, Patsy Hicken, WCSC Broadcast Museum, 80 Alexander Street, Charleston, SC 29402. (803) 723-8371

WANTED TO BUY - FEDERAL, AK-12, Norden Hauck or any pre 1920. Want a Leutz. Ray Garner, Route 10, Box 645 M-1, Fort Worth, TX 76135. Phone 237-1642, Cable GARCO.

WANTED: 1926 R.C.A. VICTOR Radiola with Automatic Electrola # V.E.-9-55, 1930 R.C.A. Radiola # 47 with Electrola, Brunswick Radio Automatic Panatrope, Stromberg Carlson # 14 Radio with automatic phonograph. 1926 Victor automatic Electrola # V.E. 10-70. Columbia-Kolster Radio-phonograph # 9201 #940 # 902 etc., 1940 R.C.A. Radiophonograph # V-201 and others from 1926-1938. David Galanek, 111 Eastwood Road, Bridgeport, CT 06606.

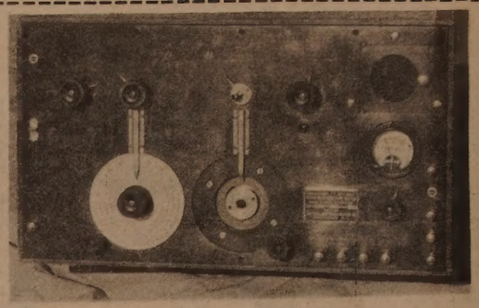
COLONIAL GLOBE "NEW WORLD" AC SET, ANY MARTI OR PATHE, EARLY ELECTRIC SETS, SPARTON MIRROR SET. ALSO EARLY CEILING AND TABLE FANS. HAVE EXCELLENT PHILCO 90 AND OTHER CATHEDERALS FOR TRADE. RICHARD CANE, 8391 N.W. 21 ST., SUNRISE, FL 33322.

CROSLEY BOOK CONDENSER. Rosenthal, 507 S. Maryland Ave. Wilmington, DE 19804.

"Wanted:

MILITARY RADIOS BEGINNING WITH THE LETTERS "SS" - (EXAMPLE SSTR-1); MILITARY RADIOS BUILT INSIDE COMMERCIAL STYLE SUITCASES; SMALL MILITARY RADIOS; RS-6. MELTON, Box 2037, OGDEN, UTAH - (801)-394-3290 "

WANTED



WANTED: THE TWO KNOBS and the 4 1/2 inch tuning dial missing from the BC-131 set as pictured. These knobs and dials are found on several wireless sets. Will trade for these or buy a junker set for parts. Don Smith, 4522 Boynton Pl., Madison, WI 53714, (608) 241-4942.

CROSLEY 59 CHASSIS, working or not; early odd-ball AC sets, Kellogg tube sets, Rogers batteryless sets & suitcase portables pre 1930. Will pay cash or trade for "Pup", Crosley 50, Mayflower speaker and other goodies. Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804.

WANTED: 1928-1940 THEATER Horns and Drivers, particularly W-E and RCA. Shearer Two-Way Theater Speaker. Cinaudagraph PE-27 and others. W-E 26A Multi-cell. Rayleigh Disc. Rola Horn Speaker. Rola "Pedestal" Cone Speaker. W-E 713-A H.F. Driver. Call (501) 777-6751. Jim Hunter, % Klipsch and Assoc., P. O. Box 688, Hope, AR 71801..

NEED CHASSIS AND SPEAKER FOR ATWATER KENT CONSOLE MODELS 72, 74, OR 76. JOHN BAYUSIK, 178 EASTSIDE DRIVE, WALLINGFORD, CT 06492.

WANTED: PANELCOVERS for battery compartments on Zenith model VII Harl Pike, 314 Enrico, Sierra Vista, AZ 85635.

WANTED- 130 KC IF transformers dial AK627 Cathederal, Bob Nicholson, 3423 Long, Topeka, KS 66605..

WANTED FOR DISPLAY: Scanning disc television, Patsy Hicken, WCSC Broadcast Museum, 80 Alexander Street, Charleston, S.C. 29402. (803) 723-8371.....

WANTED: 6AD6 TUBE for Airline Radio, model 93BR-715B. Also wanted light hood for RCA Radiola 18. Gary Cappoen, Rt. 1, Box 131-A, Newberg, OR 97132. (503) 538-4362.

PUETT ELECTRONICS

PUBLISHERS OF P.O. BOX 28572 DALLAS TEXAS 75228

ANTIQUE RADIO TOPICS & THE CLASSIC RADIO NEWSLETTER

LIST NO. 18A

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